Windows

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Cluster SSH with SecureCRT

> Under construction!

Having the ability to run a single command across multiple SSH sessions, all at once, is exceedingly useful if you're working with multiple web servers, as an example. Cluster SSH can handle this requirement, but Windows - until Vandyke's SecureCRT came along - just couldn't do this kind of thing.

1Password SSH Agent Configuration

Creating and populating the Config File

The SSH agent config file resides here:

`%LOCALAPPDATA%/1Password/config/ssh/agent.toml`

which translates on my system to be as follows - but please note, the **config** and **ssh** sub-directories may not already be created - *in which case, you'd need to create them yourself first*. Similarly, you'd need to create the **agent.toml** file too.

This can be done through the app itself:

- Open and unlock 1Password for Windows and select any SSH key you want to add to the agent config file.
- Click the three dotted menu at the top right corner of the 1Password app and select *Configure for SSH agent.*
- Lock and unlock 1Password to apply the changes.

```
C:\Users\m.drake\AppData\Local\1Password\config\ssh>dir
 Volume in drive C has no label.
 Volume Serial Number is 68BD-ED4C

 Directory of C:\Users\m.drake\AppData\Local\1Password\config\ssh

11/04/2024  13:37    <DIR>          .
11/04/2024  13:37    <DIR>          ..
11/04/2024  13:38                99 agent.toml
               1 File(s)             99 bytes
               2 Dir(s)  863,233,310,720 bytes free
```

```
C:\Users\m.drake\AppData\Local\1Password\config\ssh>
```

To add identities to the agent, for example my personal SSH key:

```
[[ssh-keys]]
item = "Martyn's Personal SSH Key 2024"
vault = "Personal"
account = "Martyn Drake"
```

And we can add to that, for example, by adding work stuff (assuming you're sharing a work vault):

```
[[ssh-keys]]
item = "Martyn's Personal SSH Key 2024"
vault = "Personal"
account = "Martyn Drake"


[[ssh-keys]]
item = "Martyn Work SSH Key"
vault = "Private"
account = "The Widget Company Inc"
```

Adding the -A flag to the ssh command will forward those identities on the remote machine, if it's been configured to do so.